Computer Methods in Applied Mechanics and Engineering 90 (1991) 987–988
North-Holland

Author index of Volume 90*

Appa, K., Recent advances in maneuver loads analysis (1–3) 693–717
Assanelli, A.P., see Dvorkin, E.N. (1–3) 829–844

Chapuis, O., see Leroy, Y.M. (1–3) 969–986
Chen, Z. and H.L. Schreyer, Secant structural solution strategies under element constraint for incremental damage (1–3) 869–884
Chung, T.J. and W.S. Yoon, Wave instability in combustion (1–3) 583–608
Crescitelli, S., see Di Blasi, C. (1–3) 643–657

De Borst, R. and L.J. Sluys, Localization in a Cosserat continuum under static and dynamic loading conditions (1–3) 805–827
Di Blasi, C., S. Crescitelli and G. Russo, Model of oscillatory phenomena of flame spread along the surface of liquid fuels (1–3) 643–657
Dvorkin, E.N. and A.P. Assanelli, 2D finite elements with displacement interpolated embedded localization lines: The analysis of fracture in frictional materials (1–3) 829–844

Franchi, A. and F. Genna, A stable/neutral equilibirum path for the numerical solution of elastic-plastic softening problems (1–3) 921–942
Fröhlich, J. and R. Peyret, A spectral algorithm for low Mach number combustion (1–3) 631–642

Genna, F., see Franchi, A. (1–3) 921–942

Huerta, A., see Pijaudier-Cabot, G. (1–3) 905–919

Kleiber, M., Computational coupled non-associative thermo-plasticity (1–3) 943–967
Koko, T.S. and M.D. Olson, Nonlinear transient response of stiffened plates to air blast loading by a superelement approach (1–3) 737–760

Leroy, Y.M. and O. Chapuis, Localization in strain-rate-dependent solids (1–3) 969–986

Olson, M.D., see Koko, T.S. (1–3) 737–760
Ortiz, M. and J.J. Quigley, Adaptive mesh refinement in strain localization problems (1–3) 781–804

Peyret, R., see J. Fröhlich, J. (1–3) 631–642
Pijaudier-Cabot, G. and A. Huerta, Finite element analysis of bifurcation in nonlocal strain softening solids (1–3) 905–919

* The issue number is given in front of the page numbers.

Quigley, J.J., see Ortiz, M. (1 – 3) 781 – 804

Ramesh, A.V., S. Utku and B.K. Wada, Real-time control of geometry and stiffness in adaptive structures (1 – 3) 761 – 779
Ramos, J.I., Adaptive and nonadaptive Hermitian operator methods for combusting phenomena (1 – 3) 609 – 630
Rogg, B., Adaptive methods in computational fluid dynamics of chemically reacting flows (1 – 3) 659 – 670
Russo, G., see Di Blasi, C. (1 – 3) 643 – 657

Schiehlen, W., Computational aspects in multibody system dynamics (1 – 3) 569 – 582
Schreyer, H.L., see Chen, Z. (1 – 3) 869 – 884
Sikora, Z., On well-posedness of BVP in localization problems (1 – 3) 885 – 903
Sluys, L.J., see De Borst, R. (1 – 3) 805 – 827
Song, Y., A numerical study of ignition in a premixed flame burner (1 – 3) 671 – 686
Steinmann, P. and K. Willam, Performance of enhanced finite element formulation in localized failure computation (1 – 3) 845 – 867

Utku, S., see Ramesh, A.V. (1 – 3) 761 – 779

Wada, B.K., see Ramesh, A.V. (1 – 3) 761 – 779
Willam, K., see Steinmann, P. (1 – 3) 845 – 867

Yoon, W.S., see Chung, T.J. (1 – 3) 583 – 608

Zeitoun, D., Chemical and vibrational non-equilibrium flowfields (1 – 3) 687 – 692
Zimmermann, H., Aeroservoelasticity (1 – 3) 719 – 735

Computer Methods in Applied Mechanics and Engineering 90 (1991) 989–993
North-Holland

Subject index of Volume 90*

Coupled problems

Computational coupled non-associative thermo-plasticity, M. Kleiber (1–3) 943–967

Damage and fracture mechanics

Adaptive mesh refinement in strain localization problems, M. Ortiz and J.J. Quigley (1–3) 781–804
Localization in a Cosserat continuum under static and dynamic loading conditions, R. de Borst en L.J. Sluys (1–3) 805–827
2D finite elements with displacement interpolated embedded localization lines: The analysis of fracture in frictional materials, E.N. Dvorkin and A.P. Assanelli (1–3) 829–844
Secant structural solution strategies under element constraint for incremental damage, Z. Chen and H.L. Schreyer (1–3) 869–884
Finite element analysis of bifurcation in nonlocal strain softening solids, G. Pijaudier-Cabot and A. Huerta (1–3) 905–919
A stable/neutral equilibirum path for the numerical solution of elastic-plastic softening problems, A. Franchi and F. Genna (1–3) 921–942
Computational coupled non-associative thermo-plasticity, M. Kleiber (1–3) 943–967

Dynamics

Computational aspects in multibody system dynamics, W. Schiehlen (1–3) 569–582
Recent advances in maneuver loads analysis, K. Appa (1–3) 693–717
Aeroservoelasticity, H. Zimmermann (1–3) 719–735
Nonlinear transient response of stiffened plates to air blast loading by a superelement approach, T.S. Koko and M.D. Olson (1–3) 737–760

Elasticity

Localization in strain-rate-dependent solids, Y.M. Leroy and O. Chapuis (1–3) 969–986

Finite element and matrix methods

Adaptive and nonadaptive Hermitian operator methods for combusting phenomena, J.I. Ramos (1–3) 609–630
Adaptive methods in computational fluid dynamics of chemically reacting flows, B. Rogg (1–3) 659–670

* The issue number is given in front of the page numbers.

Recent advances in maneuver loads analysis, K. Appa (1–3) 693–717
Nonlinear transient response of stiffened plates to air blast loading by a superelement approach, T.S. Koko and M.D. Olson (1–3) 737–760
Adaptive mesh refinement in strain localization problems, M. Ortiz and J.J. Quigley (1–3) 781–804
2D finite elements with displacement interpolated embedded localization lines: The analysis of fracture in frictional materials, E.N. Dvorkin and A.P. Assanelli (1–3) 829–844
Performance of enhaned finite element formulation in localized failure computation, P. Steinmann and K. Willam (1–3) 845–867
Secant structural solution strategies under element constraint for incremental damage, Z. Chen and H.L. Schreyer (1–3) 869–884

Fluid mechanics

Adaptive and nonadaptive Hermitian operator methods for combusting phenomena, J.I. Ramos (1–3) 609–630
Adaptive methods in computational fluid dynamics of chemically reacting flows, B. Rogg (1–3) 659–670
Chemical and vibrational non-equilibrium flowfields, D. Zeitoun (1–3) 687–692

Gas dynamics

Adaptive and nonadaptive Hermitian operator methods for combusting phenomena, J.I. Ramos (1–3) 609–630
A spectral algorithm for low Mach number combustion, J. Fröhlich and R. Peyret (1–3) 631–642
Adaptive methods in computational fluid dynamics of chemically reacting flows, B. Rogg (1–3) 659–670
A numerical study of ignition in a premixed flame burner, Y. Song (1–3) 671–686
Chemical and vibrational non-equilibrium flowfields, D. Zeitoun (1–3) 687–692

Heat and diffusion

Adaptive and nonadaptive Hermitian operator methods for combusting phenomena, J.I. Ramos (1–3) 609–630
Model of oscillatory phenomena of flame spread along the surface of liquid fuels, C. di Blasi, S. Crescitelli and G. Russo (1–3) 643–657
Adaptive methods in computational fluid dynamics of chemically reacting flows, B. Rogg (1–3) 659–670
A numerical study of ignition in a premixed flame burner, Y. Song (1–3) 671–686

Kinematics

Computational aspects in multibody system dynamics, W. Schiehlen (1–3) 569–582
Real-time control of geometry and stiffness in adaptive structures, A.V. Ramesh, S. Utku and B.K. Wada (1–3) 761–779

Adaptive mesh refinement in strain localization problems, M. Ortiz and J.J. Quigley (1 – 3) 781 – 804
Localization in a Cosserat continuum under static and dynamic loading conditions, R. de Borst and L.J. Sluys (1 – 3) 805 – 827
2D finite elements with displacement interpolated embedded localization lines: The analysis of fracture in frictional materials, E.N. Dvorkin and A.P Assanelli (1 – 3) 829 – 844
Performance of enhanced finite element formulation in localized failure computation, P. Steinmann and K. Willam (1 – 3) 845 – 867
Localization in strain-rate-dependent solids, Y.M. Leroy and O. Chapuis (1 – 3) 969 – 986

Nonlinear mechanics

Nonlinear transient response of stiffened plates to air blast loading by a superelement approach, T.S. Koko and M.D. Olson (1 – 3) 737 – 760
Secant structural solution strategies under element constraint for incremental damage, Z. Chen and H.L. Schreyer (1 – 3) 869 – 884
On well-posedness of BVP in localization problems, Z. Sikora (1 – 3) 885 – 903
Finite element analysis of bifurcation in nonlocal strain softening solids, G. Pijaudier-Cabot and A. Huerta (1 – 3) 905 – 919
A stable/neutral equilibrium path for the numerical solution of elastic-plastic softening problems, A. Franchi and F. Genna (1 – 3) 921 – 942
Localization in strain-rate-dependent solids, Y.M. Leroy and O. Chapuis (1 – 3) 969 – 986

Numerical solution procedures

A spectral algorithm for low Mach number combustion, J. Fröhlich and R. Peyret (1 – 3) 631 – 642
A numerical study of ignition in a premixed flame burner, Y. Song (1 – 3) 671 – 686

Optimization and design of structures

Real-time control of geometry and stiffness in adaptive structures, A.V. Ramesh, S. Utku and B.K. Wada (1 – 3) 761 – 779

Plasticity

Localization in a Cosserat continuum under static and dynamic loading conditions, R. de Borst and L.J. Sluys (1 – 3) 805 – 827
Performance of enhanced finite element formulation in localized failure computation, P. Steinmann and K. Willam (1 – 3) 845 – 867
On well-posedness of BVP in localization problems, Z. Sikora (1 – 3) 885 – 903
Computational coupled non-associative thermo-plasticity, M. Kleiber (1 – 3) 943 – 967

Shells and plates

Nonlinear transient response of stiffened plates to air blast loading by a superelement approach, T.S. Koko and M.D. Olson (1 – 3) 737 – 760

Solutions of ordinary and partial differential equations

On well-posedness of BVP in localization problems, Z. Sikora (1 – 3) 885 – 903

Stability in fluid mechanics

Wave instability in combustion, T.J. Chung and W.S. Yoon (1 – 3) 583 – 608
Recent advances in maneuver loads analysis, K. Appa (1 – 3) 693 – 717

Stability in structural mechanics

Localization in a Cosserat continuum under static and dynamic loading conditions, R. de Borst and L.J. Sluys (1 – 3) 805 – 827
Performance of enhanced finite element formulation in localized failure computation, P. Steinmann and K. Willam (1 – 3) 845 – 867
Secant structural solution strategies under element constraint for incremental damage, Z. Chen and H.L. Schreyer (1 – 3) 869 – 884
On well-posedness of BVP in localization problems, Z. Sikora (1 – 3) 885 – 903
Finite element analysis of bifurcation in nonlocal strain softening solids, G. Pijaudier-Cabot and A. Huerta (1 – 3) 905 – 919
A stable/neutral equilibrium path for the numerical solution of elastic-plastic softening problems, A. Franchi and F. Genna (1 – 3) 921 – 942
Localization in strain-rate-dependent solids, Y.M. Leroy and O. Chapuis (1 – 3) 969 – 986

Stochastic processes

A numerical study of ignition in a premixed flame burner, Y. Song (1 – 3) 671 – 686

Structural mechanics

Computational aspects in multibody system dynamics, W. Schiehlen (1 – 3) 569 – 582
Real-time control of geometry and stiffness in adaptive structures, A.V. Ramesh, S. Utku and B.K. Wada (1 – 3) 761 – 779

Subsonic flow

A spectral algorithm for low Mach number combustion, J. Fröhlich and R. Peyret (1 – 3) 631 – 642

Supersonic flow

Chemical and vibrational non-equilibrium flowfields, D. Zeitoun (1 – 3) 687 – 692

Thermal effects and thermodynamics

A spectral algorithm for low Mach number combustion, J. Fröhlich and R. Peyret (1 – 3) 631 – 642
Chemical and vibrational non-equilibrium flowfields, D. Zeitoun (1 – 3) 687 – 692

Computational coupled non-associative thermo-plasticity, M. Kleiber (1 – 3) 943 – 967

Turbulence

Aeroservoelasticity, H. Zimmermann (1 – 3) 719 – 735

Wave motion

Wave instability in combustion, T.J. Chung and W.S. Yoon (1 – 3) 583 – 608